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PTO/SB/05 (12/97)
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## UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.	Total Pages	40	
First Nam	ed Inventor or Applica	ation Identifier	_
David Alan Burton			) T
Express Mail Label No.	ER2115329	72US	9. 95.

(Only for new nonprovisional applications under 37 CFR 1.53(b))

See MPEP chapter	APPLICATION ELEMENTS r 600 concerning utility patent application co	ontents.		ADDRI	ESS TO: Ma	mmissioner fo il Stop Patent ). Box 1450 Alexandria, V		17497 10/7
Submit  2. X Specific (Preferre  - Descri - Cross - Staten - Refere - Backg - Brief C - Detaile - Claim( - Abstra 3. X Drawing  4. Oath or Decla  a. X M  b. C  Incorp The er of the as bein and is	ptive title of the Invention References to Related Application ment Regarding Fed sponsored R & D ence to Microfiche Appendix round of the Invention Description of the Drawings (if filed) and Description (s) act of the Disclosure g(s) (35 USC 113) (Total Pages) 7	eted) tor(s) na ) and cked) hich a co s conside applicati	15. ppy pred 16.	all ned a. b. c.  X  X  X	Compute Paper Co Statemer  ACCOMPAN  Assignment Pa 37 CFR 3.73(b) (when there is English Transla Information Dis Statement (IDS Preliminary Am Return Receipt (Should be spe Small Entity Statement(s) Certified Copy if foreign priori Other: Expres	mputer Program aino Acid Sequer or Readable Copy py (identical to on t verifying ident  YING APPLICAT  apers (cover sheet b) Statement an assignee) ation Document sclosure S)/PTO-1449 mendment Postcard (MPER cifically itemized Statement Status still of Priority Docu ity is claimed) s Mail Certificate	(Appendix)  Ince Submission (if applicable)  X Copies of IDC (if applicable)  X Copies of IDC (itations)  A Copies of IDC (itations)  Citations  Citations	torney
☐ Contin	nuation	ntinua	tion-in-pa	rt (CIP)	ì	of prior a	application No.:	
	18. <b>CO</b>	RRESP	ONDENC	ADD	RESS			
	omer Number or Bar Code Label orrespondence address below	3	6491					
NAME	Brian C. Kunzler							
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		Complete If Known					
EEE TOANSM	ITTAI	Application Number	Not yet assigned				
FEE TRANSMITTAL		Filing Date	November 14, 2003				
		First Named Inventor	David Alan Burton				
Note: Effective October 1, 2001. Patent fees are subject to annual revision.		Group Art Unit					
		Examiner Name					
TOTAL AMOUNT OF PAYMENT	\$ 1162	Attorney Docket Number	END920020065US1				

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)					
The Commissioner is hereby authorized to charge	3. ADDITIONAL FEES			3		
indicated fees and credit any over payments to:	Large Entity Small Entity				1	
Deposit Account Number: 09-0466	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Deposit Account Name: IBM CORPORATION	1051	130	2051	65	Surcharge - late filing fee or oath	
Charge Any Additional Charge the Issue Fee	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Fee Required Under In 37 CFR at the Mailing of the Notice of Allowance	1053	· 130	2053	130	Non-English specification	
	1812	2520	1812	2520	For filing a request for reexamination	
2. Payment Enclosed:	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
☐ Check ☐ Money Order ☐ Other	1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. FILING FEE	1252	420	2252	210	Extension for reply within second month	
	1253	950	2253	475	Extension for reply within third month	
Large Entity Small Entity	1254	1480	2254	740	Extension for reply within fourth month	
Fee Fee Fee Fee Description Fee Paid	1255	2010	2255	1005	Extension for reply within fifth month	
Code (\$) Code (\$)	1401	330	2401	165	Notice of Appeal	
1001 770 2001 385 Utility filing fee 770	1402	330	2402	165	Filing a brief in support of an appeal	
1002 340 2002 170 Design filing fee	1403	290	2403	145	Request for oral hearing	
1003 530 2003 265 Plant filing fee	1451	1510	1451	1510	Petition to institute a public use proceeding	
1004 770 2004 385 Reissue filing fee	1452	110	2452	55	Petition to revive - intentional	
1005 160 2005 80 Provisional filing fee	1453	1330	2453	665	Petition to revive - unintentional	
SUBTOTAL (1) \$ 770	1501	1330	2501	665	Utility issue fee	
2. CLAIMS Fee from	1502	480	2502	240	Design issue fee	
Extra below Fee Paid	1503	640	2503	320	Plant issue fee	
Total Claims 30 -20 = 10 x 18 = 180	1460	130	1460	130	Petitions to the Commissioner	
Ind. Claims 5 - 3 = 2 x 86 = 172	1807	50	1807	50	Petitions related to provisional applications	
Multiple Dep. Claims 0 x 290 = 0	1806	180	1806	180	Submission of Information Disclosure Stmt	
Large Entity Small Entity	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
Fee Fee Fee Fee Description Code (\$) Code (\$)	1809	770	1809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1203 290 2203 145 Multiple dependent claim	Other fee	e (specify)				
SUBTOTAL (2) \$ 352	*Reduce	d by Rasic	Filing Fee	a	SUBTOTAL (3)	40
SUBTOTAL (2) \$ 352 *Reduced by Basic Filing Fee SUBTOTAL (3) \$ 40						

SUBMITTED BY			Complete (if applicable)		
Typed or Printed Name	Brian C. Kunzler			Reg. Number	38,527
Signature	13ic 1/29	Date	Nov 14, 2003	Deposit Account User ID	

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PATENT APPLICATION

Docket No.: END920020065US1

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label No.: ER211532972US

Date of Deposit: November 14, 2003

I hereby certify that this patent application in the name of David Alan Burton, Joseph

Paul Hughes, Noel Simen Otterness, and Bruce A. Woller for APPARATUS, SYSTEM AND

METHOD FOR MAINTAINING DATA IN A STORAGE ARRAY, together with the drawings,

a Declaration, Power of Attorney, and Petition, an Assignment and Recordation Form Cover

Sheet, Information Disclosure Statement, PTO Form 1449, and Copies of Cited References are

being deposited with the United States Postal Service "Express Mail Post Office to Addressee"

service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to Mail Stop

Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,

Brian C. Kunzler

Reg. No. 38,527

Attorney for Applicant

Date: November 14, 2003

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